04/01

Docket No. TDT-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Saravis et al.

Application No.:

10/015,833

Filed

December 12, 2001

For

IMPROVED COMPOSITIONS AND METHODS FOR PRODUCING ANTIBODIES TO LOW MOLECULAR

WEIGHT ANALYTES

Group Art Unit :

To Be Assigned

Hon. Commissioner for Patents c/o P.O. Box 2327 Arlington, VA 22202

TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure

Statement in the above-identified application. This

Statement is submitted:

- [X] within three months of the application filing date;
- [] more than three months from the application filing date but before the mailing date of the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitte

Dantiel M. Becker Registration No. 38,376

Attorney for Applicants

FISH & NEAVE Customer No. 1473 1251 Avenue of the Americas New York, New York 10020-1104 Tel.: (650) 617-4000

I hereby Certify that this Correspondence is being Deposited with the U.S. Postal Service as First Class Mail in an Envelope Addressed to: HON. COMMISSIONER FOR PATENTS, c/o P.O. Box 2327, Arlington, VA 22202 on:

02/14/02 Date of Deposit

Matt Caretto

Date of Signature

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Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants hereby make the following documents of record in the above identified application:

U.S. Patents

Applicants reserve the right to challenge the status of any of the cited documents as prior art.

5,869,619 5,821,337 5,821,123 5,807,715 5,770,196 5,766,886 5,693,761 5,683,907 5,639,624 5,627,052 5,620,856 5,532,136 5,532,136 5,503,987 5,476,939 4,722,892	02/09/99 10/13/98 10/13/98 10/13/98 09/15/98 06/23/98 06/16/98 12/02/97 11/04/97 06/17/97 05/06/97 04/15/97 07/02/96 04/02/96 12/19/95 02/02/88	Studnicka Carter et al. Studnicka Morrison et al. Studnicka Studnicka et al. Queen et al. Johnson Wagner et al. Schrader Carlson et al. Carlson et al. Wagner et al. Johnson
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Copies of the aforementioned documents, which are listed on the accompanying Form PTO-1449 (submitted in duplicate), are enclosed herewith.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent that may issue on this application. Applicants request that a copy of Form PTO-1449 (submitted in duplicate herewith), as considered and initialed by the Examiner, be returned with the next communication.

An early and favorable action is respectfully requested.

I hereby Certify that this Correspondence is being Deposited with the U.S. Postal Service as First Class Mail in an Envelope Addressed to: HON. COMMISSIONER FOR PATENTS, c/o P.O. Box 2327, Arlington, VA 22202 on:

02/14/02

Date of Deposit

YV WY Matt Caretto

-02/14/02 Date of Signature

Daniel M. Becker

Reg. No. 38,376

Respectful

Attorney for Applicants

Fish & Neave 1251 Avenue of the Americas New York, NY 10020 (650) 617-4000

Submitted,

To Be Assigned

FORM PTO-1449
FEB 2 0 2002

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTY. DOCKET NO. TDT-2	SERIAL NO. 10/015,833
APPLICANT Saravis et al.	
FILING DATE	GROUP

December 12, 2001

U.S. PATENT DOCUMENTS

			J.S. PATENT DOCUM	MENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		IG DATE IF OPRIATE
	6,248,268	06/19/01	Cook			AFFR	OPRIATE
	6,180,377	01/30/01	Morgan et al.			+	
	6,180,370	01/30/01	Queen et al.			+ -	
	6,111,079	08/29/00	Wylie et al.		· · · · · · · · · · · · · · · · · · ·	 	
	6,054,297	04/25/00	Carter et al.			+	
	6,013,256	01/11/00	Light et al.			 	
	5,972,656	10/26/99	Lopez et al.				<u> </u>
	5,908,790	06/01/99	Bosslet et al.			 	
	5,907,034	05/25/99	Bosslet et al.			 	
	5,869,619	02/09/99	Studnicka			1	
	5,821,337	10/13/98	Carter et al.			†	
	5,821,123	10/13/98	Studnicka			 	
	5,807,715	09/15/98	Morrison et al.			1	
	5,770,196	06/23/98	Studnicka			†	***
	5,766,886	06/16/98	Studnicka et al.	**		1	
	5,693,761	12/02/97	Queen et al.			 	
	5,683,907	11/04/97	Johnson				
	5,639,624	06/17/97	Wagner et al.				
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	5,620,856	04/15/97	Carlson et al.				
	5,532,136	07/02/96	Carlson et al.				
	5,503,987	04/02/96	Wagner et al.			 	
	5,476,939	12/19/95	Johnson				
	4,722,892	02/02/88	Meares et al.				·
		FOR	EIGN PATENT DOCL	JMENTS			
EXAMINER	DOCUMENT	DATE		CLASS	SUBCLASS	TRANS	LATION
NITIAL	NUMBER			CLASS		YES	NO
	WO 00/29466	05/25/00	PCT				
	WO 90/10709	09/20/90	PCT				
	EP 0 235 457 A2	09/09/87	EPO				

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. SERIAL NO. PATENT AND TRADEMARK OFFICE TDT-2 10/015,833 APPLICANT NFORMATION DISCLOSURE Saravis et al. ATEMENT BY APPLICANT FILING DATE **GROUP** FEB 2 0 2002 December 12, 2001 To Be Assigned OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER **INITIAL** Ailor et al., "Overexpression of a Cystolic Chaperone in Insect Cells," Biotechnology & Bioengineering, Vol. 58 No. 2 & 3: pp. 196-203 (April 20/May 5, 1998). Anderson et al., "Elicitation of a Predominantly Lambda Light Chain-Bearing Antibody Response in BALB/c Mice to a Novel Bifunctional Aminocarboxylate Chelating Agent," Hybridoma vol. 12 no. 6: pp. 677-688 (1993). Aujame et al., "High Affinity Human Antibodies by Phage Display," Human Antibodies vol. 8 no. 4: pp. 155-168 (1997). Barbas et al., "Selection of Human Anti-Viral Antibodies," Trends in Biotechnology vol. 14: pp. 230-234 (1996).Bennett et al., "A Comparison of Commercially Available Adjuvants for Use in Research," Journal of Immunological Methods vol. 153: pp. 31-40 (1992). Blake et al., "Metal Binding Properties of a Monoclonal Antibody Directed Toward Metal-Chelate Complexes," Journal of Biological Chemistry vol. 271 no. 44: pp. 27677-27685 (1996). Boden et al., "Preliminary Study of the Metal Binding Site of an Anti-DTPA-Indium Antibody by Equilibrium Binding Immunoassays and Immobilized Metal Ion Affinity Chromatography," Bioconjugate Chem. vol. 6: pp. 373-379 (1995). Brown-Augsburger et al., "An Immunoadsorption Strategy to Produce Specific Antisera Against Analogs of Human Proteins: Development of Sensitive and Specific Radioimmunoassays for Two Analogs of Human Leptin," Journal of Pharmaceutical and Biomedical Analysis vol. 23 no. 4: pp. 687-696 (2000). Co et al., "Humanized Antibodies for Therapy," Nature vol. 351: pp. 501-502 (6 June1991). de Kruif et al., "New Perspectives on Recombinant Human Antibodies," Immunology Today vol. 17 no. 10: pp. 453-455 (1996). de la Salle et al., "Active γ-carboxylated Human Factor IX Expressed Using Recombinant DNA Techniques," Nature vol. 316: p. 268 (1985). Edelman et al., "Obtaining a Functional Recombinant Anti-Rhesus (D) Antibody Using the Baculovirus-Insect Cell Expression System," Immunology vol. 91: pp. 13-19 (1997). Eldin et al., "High-Level Secretion of Two Antibody Single Chain Fv Fragments by Pichia Pastroris," Journal of Immunological Methods vol. 201: pp. 67-75 (1997). Feng et al., "New Anti-Cu-TETA and Anti-Y-DOTA Monoclonal Antibodies for Potential Use in the Pre-Targeted Delivery of Radiopharmaceuticals to Tumor," Hybridoma vol. 17 no. 2: 125-132 (1998). Fischer et al., "Towards Moleculare Farming in the Future: Pichia pastoris-based Production of Single-Chain Antibody Fragments," Biotechnol. Appl. Biochem. vol. 30 Part 2: pp. 117-120 (1999). Fischer et al., "Towards Molecular Farming in the Future: Transient Protein Expression in Plants," Biotechnol. Appl. Biochem. vol. 30: pp. 113-116 (1999). Fischer et al., "Molecular Farming of Recombinant Antibodies in Plants," Biol. Chem. vol. 380; pp. 825-839 (July/August 1999).

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	Love et al., "How the Anti-(Metal Chelate) Antibody CHA255 is Specific for the Metal Ion of Its Antigen: X-ray Structure fo Two Fab-/Hapten Complexes with Different Metals in the Chelate," <i>Biochemistry vol.</i> 32: pp. 10950-10959. (1993)				
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TVANDA TO	OTHER DOCUMENTS (Including Author, Title, [Date, Pertinent Pages, Etc.)		
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